

Northern Distribution Records for Several Sphecidae and Pompilidae (Hymenoptera)

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Abstract: Collection records for a number of Sphecidae and Pompilidae from western Canada and Alaska are presented. These records represent northward and westward extensions of the known ranges of these species.

DISCUSSION

During June and July 1971, collections of Hymenoptera were made in western Canada and Alaska. For many of the species collected, these records represent northward extensions of the known ranges reported in the synoptic catalog of Hymenoptera of America north of Mexico and its supplements (Muesebeck et al., 1951; Krombein, 1958; Krombein and Burks, 1967). Notably a large series of the sphecid *Tachysphex terminatus* (Smith) was collected in Alaska considerably north of its previously known range (Elliott and Elliott, 1973). Collection records for additional Sphecidae and one pompilid are presented in this paper with notes on range extensions. All specimens were collected by W. M. and N. B. Elliott. Specimens were determined by F. E. Kurczewski and R. C. Miller.

Pompilidae

Pompilus (Ammosphex) dakota (Dreisbach). 1 ♀. Alaska. Alaska Hwy. mi. 1246. 23 June 1971. Krombein (1958) defines the range of this species as from Montana and North Dakota south to Arizona and New Mexico. Thus this specimen represents a northern record for the species.

Sphecidae

Plenoculus davisi Fox. 1 ♂. Alaska. Mt. McKinley National Park nr. entrance. 5 July 1971. This species is listed as occurring from Connecticut and New Jersey west to Montana, Arizona, and California (Muesebeck et al., 1951;

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Krombein, 1958; Krombein and Burks, 1967). Our record of this species from Alaska represents a northward extension of its known range.

Tachysphex aethiops (Cresson). 2 ♂. Alberta nr. Whitecourt. 20 June 1971. This species had previously been recorded from the western states in the mountains (Muesebeck et al., 1951). This locality thus represents a northward range extension.

Tachysphex quebecensis (Provancher). 3 ♂. Alberta nr. Whitecourt. 20 June 1971. This locality is north of the previously known range of the species—Quebec and Maine to North Dakota and California (Muesebeck et al., 1951; Krombein and Burks, 1967).

Crabro (Crabro) monticola (Packard). 1 ♀. Alaska. Alaska Hwy. mi. 1246. 23 June 1971. This record represents a northward and westward extension of the range of this species which has been recorded from Canada and from Maine to Georgia (Muesebeck et al., 1951).

Oxybelus uniglumis quadrinotatus (Say). 1 ♀. Alaska. Alaska Hwy. mi. 1246. 23 June 1971. This Holarctic species has been recorded from the United States and southern Canada. Its presence in Alaska represents a northward extension of its range in the western hemisphere.

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